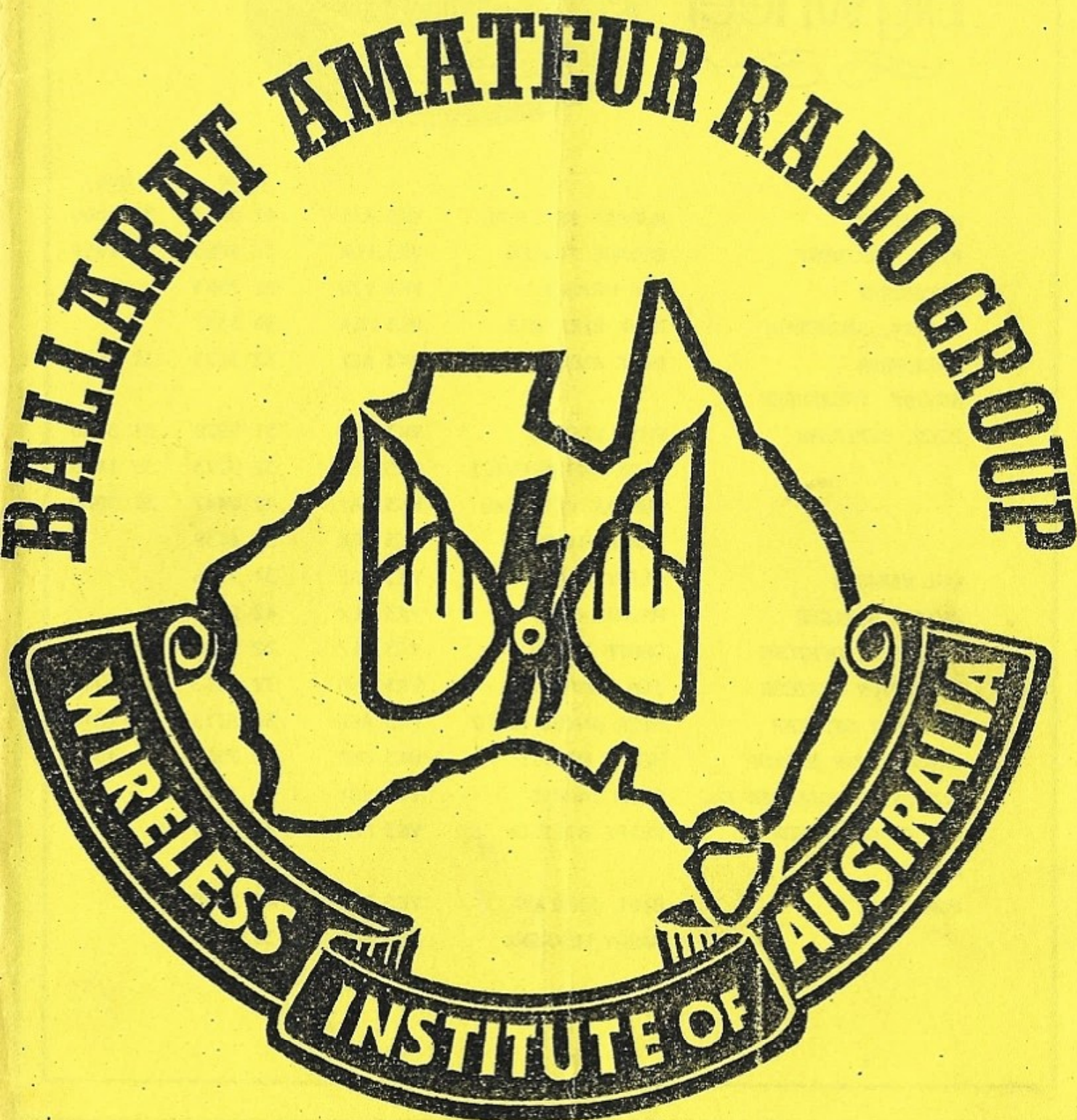


84/04

BARC NEWS



APRIL 84

Monthly Newsletter of the Ballarat Amateur Radio Group

REGISTERED BY AUSTRALIA POST PUBLICATION NO. 9813707

THE big wheel



			<u>Home</u>	<u>Bus.</u>
<i>PRESIDENT</i>	MURRAY FELSTEAD	VK3 AAI	42 0447	31 5000
<i>VICE-PRESIDENT</i>	GEORGE FOWLER	VK3 DOK	32 6863	39 1954
<i>SECRETARY</i>	JIM WRIGHT	VK3 VZD	32 7563	
<i>ASSIST. SECRETARY</i>	HANK HILVERTS	VK3 NIA	39 3332	
<i>TREASURER</i>	DICK ANTOSIEWICZ	VK3 AEX	32 3273	32 1818
<i>ASSIST. TREASURER</i>				
<i>TECH. OFFICERS</i>	PHIL SEDDON	VK3 AQM	31 5220	31 3166
	DICK ANTOSIEWICZ	VK3 AEX	32 3273	32 1818
	MURRAY FELSTEAD	VK3 AAI	42 0447	31 5000
	IAN ROBINSON	VK3 BTX	32 4139	
<i>QSL MANAGER</i>	CLIFF BILSTON	VK3 PAF	34 7626	
<i>AWARDS MANAGER</i>	MAURIE BATT	VK3 XEX	42 2245	
<i>PUBLICITY OFFICER</i>	GEOFF SMITH	VK3 KLZ	32 1037	
<i>EDUCATION OFFICER</i>	JIM HUMPHRIES	VK3 ANH	32 1613	32 1719
<i>PROPERTY OFFICER</i>	DICK ANTOSIEWICZ	VK3 AEX	32 3273	32 1818
<i>NEWS LETTER EDITOR</i>	HENRY MORITZ	VK3 DXC	32 7569	30 1800
<i>ASSIST. NEWSLETTER ED.</i>	CLEM JARVIS	VK3 YDI	31 4179	
<i>NET CO-ORDINATOR</i>	CLIFF BILSTON	VK3 PAF	34 7626	
<i>WICEN</i>				
<i>COMMITTEE</i> *	BILL JOHNSON	VK3 DWJ	40 2288	
	HARRY HEKKEMA	VK3 KGL	35 7563	

B.A.R.G. meets the last FRIDAY of month at the Ballarat Education Centre. Hopetoun St. All correspondence to P.O.BOX 216E. Ballarat East 3350. Victoria. Awards Manager VK3XEX. R S.D. Rokewood Junction. VIC.

84/04 3

3

Just one more minute...

The March meeting opened at 8:00 pm with

APOLOGIES: Received from NIZ, VU, VZD/XOB and a lengthy list of visitors was read out. Great to see a good roll up.

MINUTES: of previous meeting as per newsletter.

No business arising.

CORRESPONDENCE IN: Club newsletters, bill for newsletter printing.

OUT: 2 letters out only this month.

TREASURER'S REPORT: All OK, still \$534:00 in the VS&L account.

QSL REPORT: A few cards still going out and a number received from 'buro'. Make sure your call is listed to get these cards.

AWARDS: A little slow! 3 DX issued, no 'Gold Rush'.

PUBLICITY: Begonia Car Rally went well. and no hitches with Family Fun day. We now have B.A.R.G. logo's to use on these occasions. TNX to those who contributed to it's success.

EDUCATION: A small problem raw candidates and licenced ones doing same course.

GENERAL: A list of financial members to be published in 'News'. Private mail not to be directed to club P.O.Box.

An extension cord was found at last field day . Yours ???????? Ian, VK3AXH was the winner of this months raffle.

A short recess, then the Auction, which went successfully.

I'm sure we have some new 'Clems' in the club!! It was a lot of fun and many 'goodies' changed hands.

Cheer's for now, Happy Easter, next month

Jim will be back again, See you

Hank VK3NIA.

Amateur T.V.

Lately there hasn't been much ATV activity, one result worth a mention was with Ian VK3BQC. I was able to get a reasonable picture to Ian (across town) with only a VHF TV antenna and home brew UHF convertor at his end. I was more suprised than he was. Ian is now working on an 11 element Yagi, so a vast improvement should be expected.

I have received a video tape from Howard Rider and Ron Harrison. The tape covers 1/ATV history in Australia, 2/description of the Melbourne ATV Repeater, 3/detailed account of making and aliging of an ATV transmitter. The total time is approximately 2 hours and it covers a lot of ground and is very interesting. I will list the various kits, cct boards etc. that are available from Howard VK3ZJY.

BUILT AND TESTED:

426.250 mHz transmit

444.250 mHz exciter. \$50.00

444.426, 579 Rec. convertor. \$30. Video Demod. board. \$2.00

50cm & 70cm. Rec. Pre-amp. \$80. Mitsubishi M57716 power mod kit 1 \$6. Handbook building ATV transmitter, " " M57716 " " " 2 \$11.

antenna's, demod etc. \$2.00 " " M57716 IC Mod. \$59.

I do have a detailed list of kits if anyone wants a copy. The above are available from Howard (03-3068484) 232 Cumberland Rd. Pascoe Vale. 3044. The prices were correct in Sept. 1983, but check with Howard first.

I can put a picture up most times and soon hope to have the sound organised so I will be able to play the Melb. ATV. groups video tape (picture and sound). Although Stan VK3SE and George VK3DKJ haven't been very active, I believe they could also put up a picture on request.

That's it for this month. See you all next time.

Ernie VK3DET.

CcT BOARDS AND KITS:

Combined Audio Gen/Video Mod board \$1

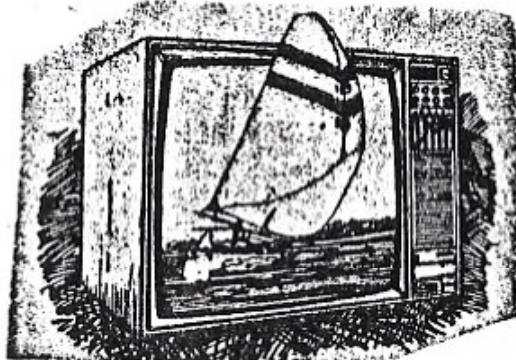
Modulator board. \$4.00

Video Demod. board. \$2.00

Mitsubishi M57716 power mod kit 1 \$6.

" " M57716 " " " 2 \$11.

" " M57716 IC Mod. \$59.



WILL BE AT THE
MAY MEETING!

5
84/04 5
The Editor.

B.A.R.G. Newsletter.

Dear Sir,

We would like to take this opportunity to thank all the B.A.R.G. members for their support and kindness.

Our special thanks to VK3VU and June for the loan of their car to travel to Wangaratta, VK3NIA and Tess, (sorry Hank we were not very good company). VK3AEX and Fred, VK3ADB and Judy, VK3DXC, VK3XEX and Marg, VK3CWG and Dawn, VK3CRD and Anne, VK3DOK, VK3APH, VK3DET and Kim, and VK3DIF for baby sitting for us.

We have appreciated all your help. Thank-you for all being such good and understanding friends.

We will have a big party to celebrate as soon as possible.

Yours in A.R.

Max & Yvonne Wroe.

VK3YMW & 2nd. Op.

WE HAVE WHAT YOU NEED AT...

WECAM
Communications
Sales & Service
(053)39 2808



YAESU

 **ICOM** and others

11 Malmsbury Str. Wendouree 3355--

CALL US OR SEE BRIAN STARES, VK3 ZBS/NVI

COAX, Rotator and L.T. Cable, Plugs and connectors, Transistors and IC's, Aerials and assorted parts always in stock. Call for prices and information.

EVERYTHING FROM A TO Z IN ELECTRONICS

84/64 6

HMSAT AMS-2064 TRACKING PROGRAM VK3DTP SCHEDULE: OSCAR 10 FROM: 20APR84 102957

DATE	AOS	LOS	MAX	LOS DATE	DX/EL	AZ
20APR84	0908	1029	1029	20APR84	15890 *	69
21APR84	0823	0931	0931	21APR84	15094 *	74
22APR84	0736	0838	0838	22APR84	14288 *	79
23APR84	0648	0748	0648	23APR84	13680 *	283
24APR84	0558	0701	0558	24APR84	14356 *	288
25APR84	0507	0614	0507	25APR84	15056 *	293
25APR84	1904	2143	2143	25APR84	17961 *	310
26APR84	0406	0528	0406	26APR84	15937 *	297
26APR84	1753	2253	2245	26APR84	18002 *	313
27APR84	0255	0443	0255	27APR84	16752 *	303
27APR84	1656	0358	1656	28APR84	14531 *	283
28APR84	1606	0314	1606	29APR84	13868 *	280
29APR84	1519	0229	2042	30APR84	16814 *	335
30APR84	1432	0145	2002	01MAY84	16583 *	344
01MAY84	1346	0100	1921	02MAY84	16451 *	353
02MAY84	1301	0015	1840	03MAY84	16428 *	3
03MAY84	1216	2330	1759	03MAY84	16518 *	12
04MAY84	1132	2244	1718	04MAY84	16711 *	21
05MAY84	1048	2156	1637	05MAY84	16993 *	30
06MAY84	1003	2105	1556	06MAY84	17351 *	38
07MAY84	0919	1135	1135	07MAY84	17223 *	56
07MAY84	1356	2009	1515	07MAY84	17789 *	45
08MAY84	0834	1005	1005	08MAY84	16290 *	62
08MAY84	1538	1906	1538	08MAY84	18045 *	48
09MAY84	0749	0903	0903	09MAY84	15526 *	68
10MAY84	0703	0808	0808	10MAY84	14770 *	73
11MAY84	0616	0717	0717	11MAY84	14005 *	78
12MAY84	0528	0628	0528	12MAY84	13903 *	282
13MAY84	0436	0540	0436	13MAY84	14679 *	287
14MAY84	0342	0454	0342	14MAY84	15439 *	292
14MAY84	1743	2104	2104	14MAY84	18043 *	311
15MAY84	0238	0409	0238	15MAY84	16282 *	297
15MAY84	1633	2248	2128	15MAY84	17814 *	315
16MAY84	0107	0324	0107	16MAY84	17234 *	304
16MAY84	1539	0240	1539	17MAY84	14574 *	287
17MAY84	1448	0156	2006	18MAY84	17009 *	330
18MAY84	1400	0111	1925	19MAY84	16722 *	338
19MAY84	1314	0027	1844	20MAY84	16524 *	347
20MAY84	1228	2342	1803	20MAY84	16429 *	357
21MAY84	1143	2257	1723	21MAY84	16446 *	6
22MAY84	1058	2212	1642	22MAY84	16573 *	16
23MAY84	1014	2125	1601	23MAY84	16799 *	24
24MAY84	0930	2038	1520	24MAY84	17108 *	33
25MAY84	0845	1948	1439	25MAY84	17491 *	40
26MAY84	0801	0947	0947	26MAY84	16728 *	57
26MAY84	1340	1852	1358	26MAY84	17968 *	47
27MAY84	0715	0837	0837	27MAY84	15919 *	62
27MAY84	1445	1747	1445	27MAY84	18000 *	50
28MAY84	0630	0738	0738	28MAY84	15114 *	67
29MAY84	0544	0645	0645	29MAY84	14375 *	72
30MAY84	0456	0556	0556	30MAY84	13703 *	77
31MAY84	0406	0508	0406	31MAY84	14251 *	281
01JUN84	0314	0421	0314	01JUN84	15023 *	286
02JUN84	0216	0336	0216	02JUN84	15842 *	291
02JUN84	1628	2038	2038	02JUN84	18091 *	311
03JUN84	0108	0251	0108	03JUN84	16631 *	297
03JUN84	1519	0206	1519	04JUN84	15438 *	296
04JUN84	1422	0122	1422	05JUN84	14534 *	290

AMSAT CONTINUED

05JUN84	1331	0037	1849	06JUN84	16886	333
06JUN84	1243	2353	1808	06JUN84	16626	341
07JUN84	1156	2309	1728	07JUN84	16460	350
08JUN84	1110	2225	1647	08JUN84	16401	360
09JUN84	1026	2140	1606	09JUN84	16455	9

AMSAT AMS-2064 TRACKING PROGRAM

VK3D TO SCHEDULE OSCAR 10 FROM: 10JUN84 152538

DATE	AOS	LOS	MAX	LOS DATE	DX/EL	AZ
10JUN84	0941	2055	1525	10JUN84	16617	19
11JUN84	0856	2008	1444	11JUN84	16873	27
12JUN84	0812	1920	1403	12JUN84	17209	35
13JUN84	0727	0946	0946	13JUN84	17261 *	51
13JUN84	1132	1831	1323	13JUN84	17617	43
14JUN84	0643	0814	0814	14JUN84	16322 *	56
14JUN84	1249	1736	1249	14JUN84	18093 *	49
15JUN84	0557	0712	0712	15JUN84	15575 *	61
15JUN84	1355	1629	1355	15JUN84	17926 *	52
16JUN84	0511	0616	0616	16JUN84	14820 *	66
17JUN84	0424	0525	0525	17JUN84	14064 *	71
18JUN84	0336	0436	0336	18JUN84	13818 *	275
19JUN84	0245	0349	0245	19JUN84	14584 *	290
20JUN84	0150	0303	0150	20JUN84	15413 *	285
21JUN84	0049	0218	0049	21JUN84	16200 *	290
21JUN84	1506	2000	1936	21JUN84	17945	312
21JUN84	2322	0133	2322	22JUN84	17135 *	298
22JUN84	1401	0048	1401	23JUN84	15380 *	299
23JUN84	1306	0005	1306	24JUN84	14521 *	293
24JUN84	1215	2320	1733	24JUN84	16758	335

Be Quick

TEAR OFF ! and send to Cliff TODAY!

See over.

AMATEUR FISHERMAN ???????

Well it has to do with amateurs and nets anyway, or so I hope. I would like to hear from one or two more of the fishing types out there in the club, as I think one or two of us have just about caught all the fish in Australia over the last year or so and our gear is just about out of puff. I don't know how good the bait has to be, but if any of you would like to put some new bait on the hook and try your luck in running the club net on Thursday please give me a call. We have some fine awards and a good group to make up the backbone of the net, so give it some thought and then give me a call on 347626 my home number (evenings best). We do not expect you to do it "every Thursday" but just give those that do it a bit of a rest and who knows your magic voice just may be the interest that sparks a whole new list of callins.

VK3PAF Cliff.

DO YOU HAVE A CARD ON THE WAY FROM CHINA??

HOW ABOUT SYRIA, UGANDA OR MAYBE FRANZ JOSEF LAND.

Well if you have a lot of trouble in obtaining it DON'T BLAME ME. But may be I can help if you fill in the questionnaire that you will find elsewhere in this publication. The WIA QSL buro must have an up to date list from this club if it is to function for us in the proper manner. All you have to do is fill it in I'm the mug that has to make out the list for you and send it in. SO DONT READ ON DO IT NOW.....YES NOW... thanks chaps real good of you.

VK3PAF QSL MANAGER

NAME

Existing call &
date issued

Previous call &
date issued

Previous call &
date issued

84/04 9

WORLD TOP BAND ALLOCATIONS

(VE3INQ, W1BB, WA2SPL, VE7BS, GD4BEG, 4Z4MK, K7VIC, N7CKD)

COUNTRY	BAND LIMITS	MODE	POWER/ADDITIONAL NOTES
VE-VO	1800-2000	CW-SSB-AM	As Per Doc Reg Trc 25 Sched. X
USA	1800-2000	CW-SSB-AM	KW to 1900 1900-2000 Reduced Pwr
PY	1800-1850	CW	KW
USSR	1850-1950	AM-FM-CW-SSB	1850-1875 CW Only 1875-1950 (Mixed) 1st Class 10 Watts
SP	1810-2000	AM-CW-SSB	Sub-Band 1750-1800
OK	1800-1950	AM-CW-SSB	Sub-Band 1750-1800
OE	1830-1850	CW Only	
DL	1825-1830/1850-1860	CW	
DJ	1825-1835	CW-SSB	1825-1830 CW/1832-1835 SSB
LX	1830-1850	CW	KW
PA	1825-1830	CW	
OZ, OY, OX, TF	1830-1850	CW	10 Watts + Sub-Band 1720-1740
LZ, JW, JX	1820-1850	CW Only	
G, ZB2	1810-2000	CW-SSB	CW 1820-1860/SSB 1860-2000
4X4	1810-2000	CW-SSB	CW 1810-1850/SSB 1860-2000
LX	1830-1850	CW	KW
SM	1830-1845	CW	10 Watts
CT	1830-1835	CW-SSB	10 Watts
FC	1830-1850		
EA	1825-1850	CW-SSB	
HB	1810-1850		
ZS	1800-2000	CW 150 Watts	No Operation within + 3KHz of 1800, 1820, 1830, 1887, 1936, 1981, 1982
JA	1907.5-1912.5	CW	1810-1825 Proposed Reloca
ZK2			
TF	1820-1850		
ZK1			
YU	1810-1850		1810-1830/Shared 1830-1850 Amateur

A35 1800 - 2000 AM-SSB-CW 100 W INPUT.
VK 1800 - 1860 AM-SSB-CW 15 W INPUT.

73, VK3VL

84/04 10



WICEN NEWS

FOR DISPLAN REGIONS 1 , 15 , 16 .

REGIONAL CONTACTS.....

VK3ADB Geoff Smith

VK3AEX Dick Antosiewicz

VK3VU Dick Forrester

**WATCH
THIS
SPACE**



84/04

11

VK5SRSOUTH EAST RADIO GROUP20TH ANNUAL AMATEUR RADIO CONVENTION 1984 PROGRAMMESaturday 9th June

	1300 - 1500	Register at hall and collect Sunday meal tickets
Event 1	1400 - 1415	2m Direction finding Competition
Event 2	1420	2m Fox Hunt. 146.500 MHz F M
Event 3	1500 - 1700	"Navigation Trial" (No radio equipment needed all on good roads, plants for individual and club trophy)
	1800 - 2000	Dinner at Show Hall
	2000 - 2300	Social evening at Show Hall with music dancing, items, club talent competitions.

Sunday 10th June

	0800 - 1200	register at Hall and collect meal tickets
	0900 - 0910	VK5Sr Convention Broadcast 3.585 MHz & Ch 6 Repeater
Event 5	0930 - 0940	6m & 2m scramble SSB w rshall on 52.1 & 144.50 MHz
Event 6	0945 - 0955	2m F M Scramble 146.450, 146.500, 146.550 MHz only
Event 7	1000 - 1010	10 m Scramble Marshall on 28.450 MHz
Event 8	1015 - 1025	40 m Scramble Marshall 7.070 MHz
Event 9	1040 - 1055	Antenna Race Heats 1 & 2 (Club Event)
Event 10	1100 1200	2m Hidden Tx Hunt 144.150MHz SSB 146.500 MHz FM
	1115 - 1145	Childrens Event
	1200 - 1315	B B Q Lunch
Event 11	1315 - 1330	Antenna Race Heats 3 & 4 (Club Event)
Event 12	1415 -	70m Fox Hunt 439MHz
Event 13	1410	80m Fox Hunt 3.585 MHz
Event 14	1450	2m Fox Hunt 146.500 MHz FM only
Event 15	1530	10m Fox Hunt 28.450 MHz
	1600 - 1630	Judging of Home Brew Competition
Event 16	1615	2m Sniffer Hunt 144.?????? MHz
Event 17	1630	Antenna Race Heats 5 & 6 (Club Event)
Event 18	1645	Cross Country Marathon (Club Event)
Event 19	1700	70cm Direction finding Competition
	1730 - 1830	Trophy presentation including the SERG Perpetual Trophy and the Club Trophy
	1830 - 2000	SERG tea prepared by SERG Ladies

MURPHY'S CORNER

It's amazing how saying the right thing at the wrong time can get you into trouble. Take my friend Bob for instance. Went up to the bar at a nudist colony, ordered a drink, and used the toast 'Bottoms up !' before he downed it. He's still trying to work out why he was de-registered!.

But that's life. No one wants to know you when you make an honest mistake. But as my dad said to me when I was tying the knot, 'At least marriage gives you someone to blame when things go wrong'. It seems that the trick is to not make the same mistake twice. Which, of course, brings us to this month's words of wisdom.

"The man who smiles when things go wrong has thought of someone to put the blame on".

NO NONSENSE VALUE

- 1 KENWOOD TS 830S "as new" fitted with 8.3MHz C.W. Filter.
complete with original packing and
Manuals. Excellent value at \$825:00 O.N.O.
- 1 "NEW" YAESU FT102 Purchased Feb '84 .Still under warranty.
Used only on Tx. \$1000:00 O.N.O.

ENQUIRIES To Bob Tester . VK5MV
14 Shepherdson Road
Mt. Gambier . 5920
3TH . AUST.

- 1 only CE55DX 5 Element Tribander (7m Boom) 4 E. on 10m
4 E. on 15m. 3 E. on 20m.
- Work's well, but, regretfully must sell or move
tower as this fine beam hangs over stropo
neighbours fence. A steal at \$325:00 . ONO.
- Geoff VK3ADB. Tel. 321037.

*** COMPUTER CORNER ***

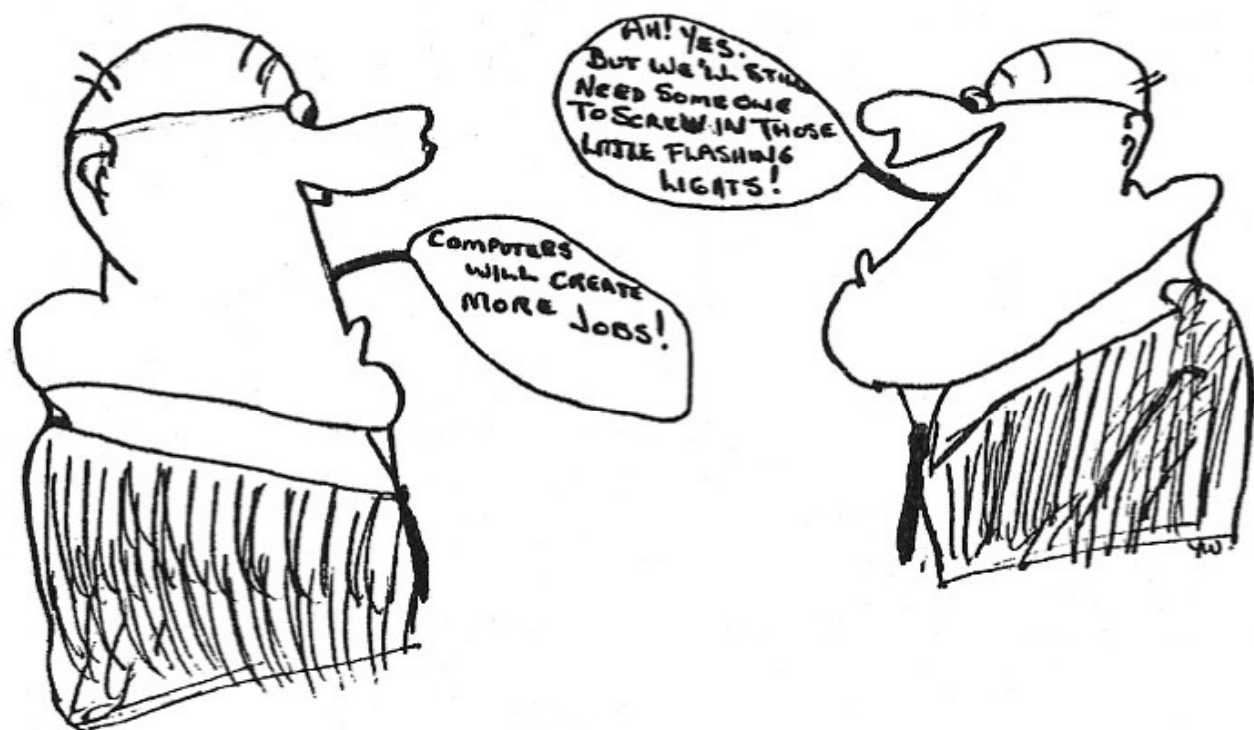
by Murray, VK3ARI.

This month, I will give you another Program for the ATV'ers amongst us. This Program Produces a smooth scrolling display from the bottom of the screen to the top, Just like is done for credits on the Public television stations.

However, this Program also needs a machine language loader, which I have. If anyone requires this loader, then Please contact me and I will be able to arrange it for you. You will, however, need to supply a disc.

Also, repeating the information I mentioned last month about the formation of various computer user's groups in Ballarat, these are now formed as part of the Ballarat Computer User's Club, and are most helpful if you have a certain computer to increase your software library for little cost.

So that's it for this month. I hope that you find this Program useful.



14

84/04 14

READY.

```
1 IFPEEK(49152)<120 THEN LOAD "MLSCROLL",8,1
2 POKE53281,12
3 DIMA$(74):FOR I=0 TO 73:READ A$(I):NEXT I
5 REM*****
6 REM INITIALIZE SCROLL
7 REM*****
12 SYS49377
20 FOR J=0 TO 74:B$=" " + A$(J)
24 REM*****
25 REM SCROLL A LINE OF TEXT
26 REM*****
31 POKE174,1:SYS49152:PRINT TAB(6)B$;"J"
35 IFPEEK(254)=5 THEN 70
40 NEXT J
50 GOTO 20
70 POKE53265,27
80 REM*****
81 REM DATA STATEMENTS (TEXT)
82 REM*****
100 DATA" "
101 DATA" "
102 DATA" "
103 DATA" "
104 DATA" SMOOTH SCROLLING OF TEXT "
105 DATA" "
106 DATA" FROM THE BOTTOM OF THE PAGE "
107 DATA" "
108 DATA" MACHINE LANGUAGE" "
109 DATA" SUBROUTINE (C000 - C0FF) "
110 DATA" "
111 DATA" OPTIONS: "
112 DATA" "
113 DATA" PRESS R FOR READING PAGE ", " (1 PAGE / 16 SEC)
114 DATA" " "
115 DATA" PRESS F FOR FAST SCAN ", " (1 PAGE / 5 SEC)
116 DATA" " "
117 DATA" PRESS P FOR PAUSE AND "
118 DATA" "
119 DATA" PRESS C TO CONTINUE AFTER"
120 DATA" A PAUSE "
121 DATA" "
122 DATA" "
123 DATA" "
124 DATA" PRESS E TO END RUN "
125 DATA" "
126 DATA" "
127 DATA" "
128 DATA" "
129 DATA" PROGRAMMING STEPS "
130 DATA" "
131 DATA" LOAD MACHINE CODE IF NOT "
132 DATA" ALREADY LOADED "
133 DATA" "
134 DATA" INITIALIZE: SYS49377 "
135 DATA" "
136 DATA" (SETS CURSOR TO BOTTOM LINE "
137 DATA" OF SCREEN AND POKE 174,1 "
```

CONTINUED NEXT PAGE

84/04... 15

```

138 DATA" POKE53265,23 AND POKE254,1)"
139 DATA"
140 DATA" PRINT A LINE OF TEXT ←
141 DATA" ENDING WITH CURSOR UP
142 DATA"
143 DATA" CALL ML SUBROUTINE:
144 DATA"
145 DATA" SYS 49152
146 DATA"
147 DATA" CHECK IF P,C,F,R,E KEY
148 DATA" PRESSED AND TAKE ACTION
149 DATA"
150 DATA" REPEAT STEPS: IE GO TO
151 DATA"
152 DATA" IF ENDING POKE53265,27 OR
153 DATA" RUNSTOP/RESTORE
154 DATA"
155 DATA"
156 DATA" NOTE: SMALL MACHINE CODE
157 DATA" ROUTINE USED FOR FAST SCAN
158 DATA" BYPASSES STEPS IN SLOW SCAN
159 DATA" THAT SLOW THE MACHINE CODE
160 DATA" SCROLL ROUTINE DOWN AND
161 DATA" THE FAST SCAN IS RATHER
162 DATA" JERKY .....
163 DATA"
164 DATA"
165 DATA"
166 DATA"
167 DATA"
168 DATA"
169 DATA" <<<< ONCE AGAIN >>>>
170 DATA"
171 DATA"
172 DATA"
173 DATA"
200 PRINT"J":LIST-101:END

```

READY. ~



DON'T FORGET

LAKE GOLDSMITH "STEAM RADIO" AWARD

THE ANNUAL 'STEAM RALLY' IS TAKING PLACE AGAIN AT LAKE GOLDSMITH THIS YEAR ON APRIL 28TH - 29TH. OPERATORS ARE NEEDED FOR ALL BANDS AND PERSONS INTERESTED CAN GIVE THEIR NAMES AT THE NEXT CLUB MEETING, WHEN DETAILS OF THE OPERATION WILL BE GIVEN TO ALL INTERESTED PARTIES. BE IN IT !!!

MAURIE BATT, VK3XEX, CO-ORDINATOR

84/04 16

Ballarat

WAMMVENTION '84



BE THERE! ®

